

I-2-97.1US
Attorney Docket No.

DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

CONTINUOUSLY ADJUSTED-BANDWIDTH DISCRETE-TIME PHASE-LOCKED LOOP

the specification of which was filed on June 9, 1997 as United States Application No. 08/871,109.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119(a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed: NONE

Prior Foreign Application(s): Priority Claimed

(Number) (Country) (Day/Month/Year Filed) Yes No
(Priority Claimed)

(Number) (Country) (Day/Month/Year Filed) Yes No
(Priority Claimed)

I hereby claim the benefit under Title 35, United States Code, Section 119(e) of any United States provisional application(s) listed below.

60/037,914
(Application Number)

12/03/97
(Day/Month/Year Filed)

(Application Number)

(Day/Month/Year Filed)

I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) and or PCT international application(s) designating the United States of America listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application(s) in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56 which became available between the filing date(s) of the prior application(s) and the national or PCT international filing date of this application: NONE

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| (Application Number) | (Filing Date) | (Status: patented, pending, abandoned) |
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| (Application Number) | (Filing Date) | (Status: patented, pending, abandoned) |
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POWER OF ATTORNEY: As a named inventor(s), I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the United States Patent and Trademark Office connected therewith.

| | |
|-------------------------------|--------|
| Alfred Stapler, Esq. | 16,675 |
| Anthony S. Volpe, Esq. | 28,377 |
| C. Frederick Koenig III, Esq. | 29,662 |
| Allan H. Fried, Esq. | 31,253 |
| Paul F. Daebeler, Esq. | 35,852 |
| Gerald B. Halt, Jr., Esq. | 37,633 |
| Timothy J. Lubecki, Esq. | 38,953 |
| Glenn M. Massina, Esq. | 40,081 |

Direct all telephone calls to: Gerald B. Halt, Jr., Esquire at (215) 568-6400.

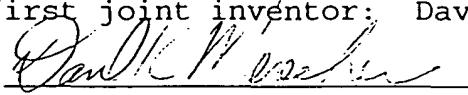
Address all correspondence to: VOLPE and KOENIG, P.C., 400 One Penn Center, 1617 John F. Kennedy Boulevard, Philadelphia, PA 19103.

The undersigned hereby authorizes the U.S. attorney or agent named herein to accept and follow instructions from any assignee of this invention as to any action to be taken in the Patent and Trademark Office regarding this application without direct communication between the U.S. attorney or agent and the undersigned.

In the event of a change in the persons from whom instructions may be taken, the U.S. attorney or agent named herein will be so notified by the undersigned.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first joint inventor: David K. Mesecher

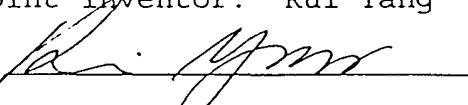
Inventor's signature:  Date: 11/25/97

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Full name of second joint inventor: Rui Yang

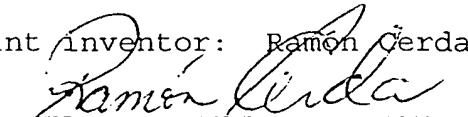
Inventor's signature:  Date: 1/18/98

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Full name of third joint inventor: Ramon Cerdá

Inventor's signature:  Date: 1/22/98

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